I	14. (Amended) A	in apparatus to monitor usage of an electrically powered device,
2	comprising:		•
3	a circuit	coupled to th	ne device to provide a power output of the device;
4	an analo	g to digital co	onverter coupled to receive the power output and convert the same
5	to digital form;	and \	
6	a control	ller to receive	e a user input, process the user input by establishing communication
7	with a remotely	located device	ce to request approval of a financial transaction, and generate
8	control signals i	n response to	receiving approval, the controller includes a database of power
9	profiles of the d	evice and red	eives the digital form of the power output, compares the digital
10	form of the pow	er output to t	he power profiles, and monitors the operation of the electrically
11.	powered device	by suspendin	ng a charge for usage of the device if the digital form of the power
12	output indicates	a halt condit	ion.\
1			of claim 14 wherein the database of power profiles includes normal
2	operation power	profiles, idle	e operation power profiles, and halt condition power profiles.
l -			of claim 14 wherein the controller continues to suspend charging
2	for usage of the	device as lon	ag as the device is in halt condition.
1	17. T	The ennemative	of claim 12 wherein the assitable a device is a relay
1	17. 1	ne apparatus	of claim 13 wherein the switching device is a relay.
1	18. (Amended)	The apparatus of claim 14 wherein the circuit is a current to
2	voltage converte	ŕ	The apparatus of claim 1 + whorem the endant is a carrent to
-	vollago converte		
1	19. (Amended)	The apparatus of claim 14 wherein the electrically powered device
2	is a copier.		
1	20. (Amended)	The apparatus of claim \(4, \) wherein the electrically powered device
2	is a laser printer	•	
1	21. (Amended)	The apparatus of claim 14, wherein the circuit is an ammeter.
			· ·

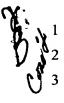
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WWS/crr Filed: 11/7/00

1 ,	22. (CANCEL)				
اکا	23. (Amended) The method of claim 24, wherein the first condition is an abnorm	al			
2	condition.				
,					
1	24. (Amended) A method comprising:				
2	monitoring an output of an electrically powered device; and				
3	comparing the output to a database of operating profiles for the electrically powered				
4	device to detect a first condition and to adjust billing charges when the electrically powered				
5	device is in the first condition, the database of operating profiles includes regular operating				
6	profiles and abnormal operating profiles, each to denote an abnormal condition.				
1	25. The method of claim 23, wherein the database of operating profiles includes a				
2	plurality of power usage profiles.				
1	26. The method of claim 25, wherein each power usage profile is a function of				
2	amperage and time.				
1	27. (Amended) A method comprising:				
2	monitoring an output of an electrically powered device; and				
3	comparing the output to a database of operating profiles including a plurality of power				
4	usage profiles, each power usage profile being a function of amperage and time, for the				
5	electrically powered device to detect an abnormal condition and to adjust billing charges when				
6	the electrically powered device is experiencing the abnormal condition being a paper jam.				
1	28. (Amended) The method of claim 24, wherein the first condition is a				
2	catastrophic condition.				
1	29. (Amended) A software module embodied for execution by a controller, the				
2	software module comprising:				
3	software to monitor an output of an electrically powered device; and				
	_				
	003115.P002XD2 -3- WWS App. No. 09/707,647 Filed: 11/7				

is a printer. 1 36. (New) The software module of claim 29, wherein the electrically powered device is an appliance. 1 37. (New) The software module of claim 30 further comprising software to record the plurality of power usage profiles. 003115.P002XD2 -4- WWS/cm		•					
powered device is experiencing the first condition being a paper jam. 30. (Amended) A software module embodied for execution by a controller, the software module comprising software to monitor an output of an electrically powered device; and software to compare the output to a plurality of power usage profiles for the electrically powered device is in the first condition and to adjust billing charges when the electrically powered device is in the first condition, the electrically powered device is placed in the first condition in response to an abnormal operating condition. 31. (Amended) The software module of claim 30, wherein the abnormal condition is a paper jam. 32. The software module of claim 29, wherein each power usage profile is a function of amperage and time. 33. (New) The software module of claim 29 further comprising software to record the plurality of power usage profiles. 34. (New) The software module of claim 29 further comprising a user interface software to enable programmability of conditions to adjust billing charges for usage of the electrically powered device including the first condition. 35. (New) The software module of claim 29, wherein the electrically powered device is a printer. 36. (New) The software module of claim 29, wherein the electrically powered device is an appliance. 37. (New) The software module of claim 30 further comprising software to record the plurality of power usage profiles. 38. (New) The software module of claim 30 further comprising software to record the plurality of power usage profiles.	4	software to compare the output to a plurality of power usage profiles for the electrically					
30. (Amended) A software module embodied for execution by a controller, the software module comprising software to monitor an output of an electrically powered device; and software to compare the output to a plurality of power usage profiles for the electrically powered device to detect a first condition and to adjust billing charges when the electrically powered device is in the first condition, the electrically powered device is placed in the first condition in response to an abnormal operating condition. 31. (Amended) The software module of claim 30, wherein the abnormal condition is a paper jam. 32. The software module of claim 29, wherein each power usage profile is a function of amperage and time. 33. (New) The software module of claim 29 further comprising software to record the plurality of power usage profiles. 34. (New) The software module of claim 29 further comprising a user interface software to enable programmability of conditions to adjust billing charges for usage of the electrically powered device including the first condition. 35. (New) The software module of claim 29, wherein the electrically powered device is a printer. 36. (New) The software module of claim 29, wherein the electrically powered device is an appliance. 37. (New) The software module of claim 30 further comprising software to record the plurality of power usage profiles. 39. (New) The software module of claim 30 further comprising software to record the plurality of power usage profiles.	5	powered device to detect a first condition and to adjust billing charges when the electrically					
software module comprising. software to monitor an output of an electrically powered device; and software to compare the output to a plurality of power usage profiles for the electrically powered device to detect a first condition and to adjust billing charges when the electrically powered device is in the first condition, the electrically powered device is placed in the first condition in response to an abnormal operating condition. 31. (Amended) The software module of claim 30, wherein the abnormal condition is a paper jam. 32. The software module of claim 29, wherein each power usage profile is a function of amperage and time. 33. (New) The software module of claim 29 further comprising software to record the plurality of power usage profiles. 34. (New) The software module of claim 29 further comprising a user interface software to enable programmability of conditions to adjust billing charges for usage of the electrically powered device including the first condition. 35. (New) The software module of claim 29, wherein the electrically powered device is a printer. 36. (New) The software module of claim 29, wherein the electrically powered device is an appliance. 37. (New) The software module of claim 30 further comprising software to record the plurality of power usage profiles. 03115.P002XD2 4 WWS/en	6	powered device is experiencing the first condition being a paper jam.					
software module comprising. software to monitor an output of an electrically powered device; and software to compare the output to a plurality of power usage profiles for the electrically powered device to detect a first condition and to adjust billing charges when the electrically powered device is in the first condition, the electrically powered device is placed in the first condition in response to an abnormal operating condition. 31. (Amended) The software module of claim 30, wherein the abnormal condition is a paper jam. 32. The software module of claim 29, wherein each power usage profile is a function of amperage and time. 33. (New) The software module of claim 29 further comprising software to record the plurality of power usage profiles. 34. (New) The software module of claim 29 further comprising a user interface software to enable programmability of conditions to adjust billing charges for usage of the electrically powered device including the first condition. 35. (New) The software module of claim 29, wherein the electrically powered device is a printer. 36. (New) The software module of claim 29, wherein the electrically powered device is an appliance. 37. (New) The software module of claim 30 further comprising software to record the plurality of power usage profiles. 03115.P002XD2 4 WWS/en							
software to monitor an output of an electrically powered device; and software to compare the output to a plurality of power usage profiles for the electrically powered device to detect a first condition and to adjust billing charges when the electrically powered device is in the first condition, the electrically powered device is placed in the first condition in response to an abnormal operating condition. 31. (Amended) The software module of claim 30, wherein the abnormal condition is a paper jam. 32. The software module of claim 29, wherein each power usage profile is a function of amperage and time. 33. (New) The software module of claim 29 further comprising software to record the plurality of power usage profiles. 34. (New) The software module of claim 29 further comprising a user interface software to enable programmability of conditions to adjust billing charges for usage of the electrically powered device including the first condition. 35. (New) The software module of claim 29, wherein the electrically powered device is a printer. 36. (New) The software module of claim 29, wherein the electrically powered device is an appliance. 37. (New) The software module of claim 30 further comprising software to record the plurality of power usage profiles. 03115.P002XD2 4 WWS/en	1	30. (Amended) \ A software module embodied for execution by a controller, the					
software to compare the output to a plurality of power usage profiles for the electrically powered device to detect a first condition and to adjust billing charges when the electrically powered device is in the first condition, the electrically powered device is placed in the first condition in response to an abnormal operating condition. 31. (Amended) The software module of claim 30, wherein the abnormal condition is a paper jam. 32. The software module of claim 29, wherein each power usage profile is a function of amperage and time. 33. (New) The software module of claim 29 further comprising software to record the plurality of power usage profiles. 34. (New) The software module of claim 29 further comprising a user interface software to enable programmability of conditions to adjust billing charges for usage of the electrically powered device including the first condition. 35. (New) The software module of claim 29, wherein the electrically powered device is a printer. 36. (New) The software module of claim 29, wherein the electrically powered device is an appliance. 37. (New) The software module of claim 30 further comprising software to record the plurality of power usage profiles. 38. (New) The software module of claim 30 further comprising software to record the plurality of power usage profiles.	2	software module comprising.					
powered device to detect a first condition and to adjust billing charges when the electrically powered device is in the first condition, the electrically powered device is placed in the first condition in response to an abnormal operating condition. 31. (Amended) The software module of claim 30, wherein the abnormal condition is a paper jam. 32. The software module of claim 29, wherein each power usage profile is a function of amperage and time. 33. (New) The software module of claim 29 further comprising software to record the plurality of power usage profiles. 34. (New) The software module of claim 29 further comprising a user interface software to enable programmability of conditions to adjust billing charges for usage of the electrically powered device including the first condition. 35. (New) The software module of claim 29, wherein the electrically powered device is a printer. 36. (New) The software module of claim 29, wherein the electrically powered device is an appliance. 37. (New) The software module of claim 30 further comprising software to record the plurality of power usage profiles. 38. (New) The software module of claim 30 further comprising software to record the plurality of power usage profiles.	3	software to monitor an output of an electrically powered device; and					
powered device is in the first condition, the electrically powered device is placed in the first condition in response to an abnormal operating condition. 31. (Amended) The software module of claim 30, wherein the abnormal condition is a paper jam. 32. The software module of claim 29, wherein each power usage profile is a function of amperage and time. 33. (New) The software module of claim 29 further comprising software to record the plurality of power usage profiles. 34. (New) The software module of claim 29 further comprising a user interface software to enable programmability of conditions to adjust billing charges for usage of the electrically powered device including the first condition. 35. (New) The software module of claim 29, wherein the electrically powered device is a printer. 36. (New) The software module of claim 29, wherein the electrically powered device is an appliance. 37. (New) The software module of claim 30 further comprising software to record the plurality of power usage profiles. 003115.P002XD2 4- WWS/cm	4	software to compare the output to a plurality of power usage profiles for the electrically					
condition in response to an abnormal operating condition. 31. (Amended) The software module of claim 30, wherein the abnormal condition is a paper jam. 32. The software module of claim 29, wherein each power usage profile is a function of amperage and time. 33. (New) The software module of claim 29 further comprising software to record the plurality of power usage profiles. 34. (New) The software module of claim 29 further comprising a user interface software to enable programmability of conditions to adjust billing charges for usage of the electrically powered device including the first condition. 35. (New) The software module of claim 29, wherein the electrically powered device is a printer. 36. (New) The software module of claim 29, wherein the electrically powered device is an appliance. 37. (New) The software module of claim 30 further comprising software to record the plurality of power usage profiles. 003115.P002XD2 4 WWS/en	5	powered device to detect a first condition and to adjust billing charges when the electrically					
1 31. (Amended) The software module of claim 30, wherein the abnormal condition 2 is a paper jam. 1 32. The software module of claim 29, wherein each power usage profile is a function 2 of amperage and time. 1 33. (New) The software module of claim 29 further comprising software to record 2 the plurality of power usage profiles. 1 34. (New) The software module of claim 29 further comprising a user interface 2 software to enable programmability of conditions to adjust billing charges for usage of the 3 electrically powered device including the first condition. 1 35. (New) The software module of claim 29, wherein the electrically powered device 2 is a printer. 1 36. (New) The software module of claim 29, wherein the electrically powered device 2 is an appliance. 37. (New) The software module of claim 30 further comprising software to record 38. (New) The software module of claim 30 further comprising software to record 49 the plurality of power usage profiles. 1003115.P002XD2 40 WWS/en	6	powered device is in the first condition, the electrically powered device is placed in the first					
is a paper jam. 32. The software module of claim 29, wherein each power usage profile is a function of amperage and time. 33. (New) The software module of claim 29 further comprising software to record the plurality of power usage profiles. 34. (New) The software module of claim 29 further comprising a user interface software to enable programmability of conditions to adjust billing charges for usage of the electrically powered device including the first condition. 35. (New) The software module of claim 29, wherein the electrically powered device is a printer. 36. (New) The software module of claim 29, wherein the electrically powered device is an appliance. 37. (New) The software module of claim 30 further comprising software to record the plurality of power usage profiles. 003115.P002XD2	7	condition in response to an abnormal operating condition.					
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1 33. (New) The software module of claim 29 further comprising software to record 2 the plurality of power usage profiles. 1 34. (New) The software module of claim 29 further comprising a user interface 2 software to enable programmability of conditions to adjust billing charges for usage of the 3 electrically powered device including the first condition. 1 35. (New) The software module of claim 29, wherein the electrically powered device 2 is a printer. 1 36. (New) The software module of claim 29, wherein the electrically powered device 2 is an appliance. 1 37. (New) The software module of claim 30 further comprising software to record 2 the plurality of power usage profiles. 1 003115.P002XD2 -4-	1	32. The software module of claim 29, wherein each power usage profile is a function					
the plurality of power usage profiles. 1 34. (New) The software module of claim 29 further comprising a user interface 2 software to enable programmability of conditions to adjust billing charges for usage of the 3 electrically powered device including the first condition. 1 35. (New) The software module of claim 29, wherein the electrically powered device 2 is a printer. 1 36. (New) The software module of claim 29, wherein the electrically powered device 2 is an appliance. 1 37. (New) The software module of claim 30 further comprising software to record 2 the plurality of power usage profiles. 103115.P002XD2 4- WWS/cm	2	of amperage and time.					
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software to enable programmability of conditions to adjust billing charges for usage of the electrically powered device including the first condition. (New) The software module of claim 29, wherein the electrically powered device is a printer. (New) The software module of claim 29, wherein the electrically powered device is an appliance. (New) The software module of claim 30 further comprising software to record the plurality of power usage profiles. (New) The software module of claim 30 further comprising software to record the plurality of power usage profiles.	2	the plurality of power usage profiles.					
software to enable programmability of conditions to adjust billing charges for usage of the electrically powered device including the first condition. (New) The software module of claim 29, wherein the electrically powered device is a printer. (New) The software module of claim 29, wherein the electrically powered device is an appliance. (New) The software module of claim 30 further comprising software to record the plurality of power usage profiles. (New) The software module of claim 30 further comprising software to record the plurality of power usage profiles.							
electrically powered device including the first condition. (New) The software module of claim 29, wherein the electrically powered device is a printer. (New) The software module of claim 29, wherein the electrically powered device is an appliance. (New) The software module of claim 30 further comprising software to record the plurality of power usage profiles. (03115.P002XD2 -4-	1	34. (New) The software module of claim 29 further comprising a user interface					
1 35. (New) The software module of claim 29, wherein the electrically powered device 2 is a printer. 1 36. (New) The software module of claim 29, wherein the electrically powered device 2 is an appliance. 1 37. (New) The software module of claim 30 further comprising software to record 2 the plurality of power usage profiles. 003115.P002XD2 -4- WWS/cm	2	software to enable programmability of conditions to adjust billing charges for usage of the					
is a printer. 1 36. (New) The software module of claim 29, wherein the electrically powered device is an appliance. 1 37. (New) The software module of claim 30 further comprising software to record the plurality of power usage profiles. 003115.P002XD2 -4- WWS/cm	3	electrically powered device including the first condition.					
is a printer. 1 36. (New) The software module of claim 29, wherein the electrically powered device is an appliance. 1 37. (New) The software module of claim 30 further comprising software to record the plurality of power usage profiles. 003115.P002XD2 -4- WWS/cm							
1 36. (New) The software module of claim 29, wherein the electrically powered device is an appliance. 1 37. (New) The software module of claim 30 further comprising software to record the plurality of power usage profiles. 003115.P002XD2 -4- WWS/cm	1	35. (New) The software module of claim 29, wherein the electrically powered device					
2 is an appliance. 1 37. (New) The software module of claim 30 further comprising software to record 2 the plurality of power usage profiles. 003115.P002XD2 -4- WWS/cm	2	is a printer.					
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1 37. (New) The software module of claim 30 further comprising software to record 2 the plurality of power usage profiles. 003115.P002XD2 -4- WWS/cm	1	36. (New) The software module of claim 29, wherein the electrically powered device					
2 the plurality of power usage profiles. 003115.P002XD2 -4- WWS/cm	2	is an appliance.					
2 the plurality of power usage profiles. 003115.P002XD2 -4- WWS/cm							
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38. (New) The software module of claim 30, wherein each power usage profile is a function of amperage and time.



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- 39. (New) The software module of claim 30 further comprising a user interface software to enable programmability of conditions to adjust billing charges for usage of the electrically powered device including the first condition.
- 1 40. (New) The software module of claim 30, wherein the electrically powered device 2 being one of a printer and appliance.